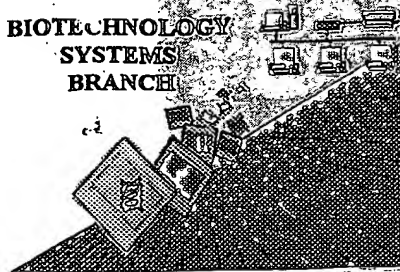




## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/930,915  
Source: OIR  
Date Processed by STIC: 8/23/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/930,915

DATE: 08/23/2001  
TIME: 17:29:04

Input Set : A:\Icc-1022.app  
Output Set: N:\CRF3\08162001\I930915.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Birkett, Ashley J.  
5 <120> TITLE OF INVENTION: IMMUNOGENIC Hbc CHIMER PARTICLES HAVING ENHANCED  
6 STABILITY  
8 <130> FILE REFERENCE: 4564/81175 ICC-102.2  
OK-> 10 <140> CURRENT APPLICATION NUMBER: US/09/930,915  
11 <141> CURRENT FILING DATE: 2001-08-15  
13 <150> PRIOR APPLICATION NUMBER: 60/226,867  
14 <151> PRIOR FILING DATE: 2000-08-22  
16 <150> PRIOR APPLICATION NUMBER: 60/225,843  
17 <151> PRIOR FILING DATE: 2000-08-16  
19 <160> NUMBER OF SEQ ID NOS: 313  
21 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

2140 <210> SEQ ID NO: 188  
2141 <211> LENGTH: 1617  
2142 <212> TYPE: PRT  
2143 <213> ORGANISM: Hepatitis C virus  
2145 <400> SEQUENCE: 188  
2146 Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
2147 1 5 10 15

E--&gt; 2149 Leu

2205 <210> SEQ ID NO: 193  
2206 <211> LENGTH: 9  
2207 <212> TYPE: PRT  
2208 <213> ORGANISM: Plasmodium vivax  
2210 <400> SEQUENCE: 193

E--&gt; 2211 Asp Arg Ala Xaa Gly Gln Pro Ala Gly

2212 1 5

2215 &lt;210&gt; SEQ ID NO: 194

2216 &lt;211&gt; LENGTH: 9

2217 &lt;212&gt; TYPE: PRT

2218 &lt;213&gt; ORGANISM: Plasmodium vivax

2220 &lt;400&gt; SEQUENCE: 194

E--&gt; 2221 Ala Asn Gly Ala Xaa Asx Gln Pro Gly

2222 1

4031 &lt;210&gt; SEQ ID NO: 276

4032 &lt;211&gt; LENGTH: 554555 (p. 2)

4033 &lt;212&gt; TYPE: DNA

4034 &lt;213&gt; ORGANISM: Hepatitis B virus

4036 &lt;400&gt; SEQUENCE: 276

4037 atggacattg acccttataa agaatttggg gctactgtgg agttactctc gtttttgcc 60

4038 tctgacttct ttccttccgt acgagatctc ctagacaccg cctcagctct gtagcgagaa 120

4039 gccttagagt ctctgagca ttgtcacct caccatactg cactcaggca agccattctc 180

4040 tgctgggggg aattgatgac tctagctacc tgggtgggta ataatttgca agatccagca 240

see item 9 on Error Summary Sheet

item 9

## RAW SEQUENCE LISTING

DATE: 08/23/2001

PATENT APPLICATION: US/09/930,915

TIME: 17:29:05

Input Set : A:\Icc-1022.app

Output Set: N:\CRF3\08162001\I930915.raw

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4041 tccagagatc tagtagtcaa ttatgttaat actaacatgg gtttaaagat caggcaacta 300
4042 ttgtgggttc atatatcttg ccttactttt ggaagagaga ctgtacttga atatttggtc 360
4043 tctttcggag tgtggattcg cactectcca gcctatagac caccaaagtc ccctatotta 420
4044 tcaacacttc cggaaactac tggtgttaga cgacgggacc gaggcaggtc ccctagaaga 480
4045 agaactccct cgcctcgag acgcagatct caatcgccgc gtcgcagaag atctcaatct 540
E--> 4046 cgggaatctc aatgt 555
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/930,915

DATE: 08/23/2001

TIME: 17:29:06

Input Set : A:\Icc-1022.app

Output Set: N:\CRF3\08162001\I930915.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:2149 M:252 E: No. of Seq. differs, <211>LENGTH:Input:16 Found:17 SEQ:188 ✓  
L:2211 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:193 ✓  
L:2221 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:194 ✓  
L:3325 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:258  
L:3411 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:260  
L:4046 M:252 E: No. of Seq. differs, <211>LENGTH:Input:554 Found:555 SEQ:276